

RESULT 5
US-09-154-802-3
; Sequence 3, Application US/09154802
; Patent No. 5989822
; GENERAL INFORMATION:
; APPLICANT: Y. Tom Tang
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: ATP SYNTHASE SUBUNIT HOMOLOG
; FILE REFERENCE: PP-0596 US
; CURRENT APPLICATION NUMBER: US/09/154,802
; CURRENT FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PERL Program
; SEQ ID NO 3
; LENGTH: 255
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: -
; OTHER INFORMATION: g1006572
US-09-154-802-3

Query Match 4.1%; Score 95.5; DB 2; Length 255;
Best Local Similarity 23.2%; Pred. No. 0.035;
Matches 58; Conservative 45; Mismatches 108; Indels 39; Gaps 10;

QY 183 QLTQYLVSLISAEVPLGRVVMVPSLVSVTYGATLCNMLAIQIKYDDYKIRLGP----- 237
DB 11 QFTTRVYFGLSSGLINDTMTLTSTFSMYSI---AVVALMLGFSI-LNDNNTNLPTRWSL 66
QY 238 -LEVLCITITWLE-----ITSRLILVLPSA---TLKLKAVPFLVLNPLI----- 279
DB 67 APESLYFTVKQVSEOMGLEGRLLPFPMSLFMYILMANVSVLPVSYAINAQLMTWTG 126
QY 280 ILPEPWIKFWRSGAQMNNIEKNFSRV---GTLVVLISVTILYAGINFSCWS-ALQRLA 335
DB 127 LSVAINIGCTLTG--LANHGAKFGLPLPSGTNLPVLPVLMIELLSYMARALSGLRLG 184
QY 336 DRDLVDKQNGHMGHLYSVRLVENIMLVKFKPGVKVLLNYCHSLIALQIIAYLISI 395
DB 185 SNILA-----GHLLLVILAGLIINFISIMFTPALGILPLSILIGIVALESAIAFIQAM 238
QY 396 DFMLLPFOYL 405
DB 239 VFTMLTCSYI 248

RESULT 6
US-09-373-029-3
; Sequence 3, Application US/09373029
; Patent No. 6036954
; GENERAL INFORMATION:
; APPLICANT: Y. Tom Tang
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl J.
; APPLICANT: Baughn, Mariah R.
; TITLE OF INVENTION: ATP SYNTHASE SUBUNIT HOMOLOG
; FILE REFERENCE: PP-0596 US
; CURRENT APPLICATION NUMBER: US/09/373,029
; CURRENT FILING DATE: 1999-08-11
; EARLIER APPLICATION NUMBER: 09/154,802
; EARLIER FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PERL Program
; SEQ ID NO 3
; LENGTH: 255
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: -
; OTHER INFORMATION: g1006572
US-09-373-029-3

Query Match 4.1%; Score 95.5; DB 3; Length 255;
Best Local Similarity 23.2%; Pred. No. 0.035;
Matches 58; Conservative 45; Mismatches 108; Indels 39; Gaps 10;

QY 183 QLTQYLVSLISAEVPLGRVVMVPSLVSVTYGATLCNMLAIQIKYDDYKIRLGP----- 237
DB 11 QFTTRVYFGLSSGLINDTMTLTSTFSMYSI---AVVALMLGFSI-LNDNNTNLPTRWSL 66
QY 238 -LEVLCITITWLE-----ITSRLILVLPSA---TLKLKAVPFLVLNPLI----- 279
DB 67 APESLYFTVKQVSEOMGLEGRLLPFPMSLFMYILMANVSVLPVSYAINAQLMTWTG 126
QY 280 ILPEPWIKFWRSGAQMNNIEKNFSRV---GTLVVLISVTILYAGINFSCWS-ALQRLA 335
DB 127 LSVAINIGCTLTG--LANHGAKFGLPLPSGTNLPVLPVLMIELLSYMARALSGLRLG 184
QY 336 DRDLVDKQNGHMGHLYSVRLVENIMLVKFKPGVKVLLNYCHSLIALQIIAYLISI 395
DB 185 SNILA-----GHLLLVILAGLIINFISIMFTPALGILPLSILIGIVALESAIAFIQAM 238
QY 396 DFMLLPFOYL 405
DB 239 VFTMLTCSYI 248

RESULT 7
US-08-706-281A-18
; Sequence 18, Application US/08706281A
; Patent No. 6100048
; GENERAL INFORMATION:
; APPLICANT: Cone, Roger D
; APPLICANT: Fan, Wei
; APPLICANT: Boston, Bruce A
; APPLICANT: Kesterton, Robert A
; APPLICANT: Lu, Dongsi
; APPLICANT: Chen, Wenbiao
; TITLE OF INVENTION: Methods and Reagents for Discovering and
; TITLE OF INVENTION: Using Mammalian Melanocortin Receptor Agonists and Antagonists
; TITLE OF INVENTION: To Modulate Feeding Behavior in Animals
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff
; STREET: 300 South Wacker Drive
; CITY: Chicago
; STATE: IL
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/706,281A
; FILING DATE: 04-SEP-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 6100048nan, Kevin E
; REGISTRATION NUMBER: 35,303
; REFERENCE/DOCKET NUMBER: 96,886
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-913-0001
; TELEFAX: 312-913-0002
; TELEX:
; INFORMATION FOR SEQ ID NO: 18:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-706-281A-18

Db 260 -----LMISCPQNVYSCFMSYFNMYLILMNCNSVID----- 291
QY 398 MLLFQYLHLPLSLFTHNVVDYLHCVCCH 426
Db 292 -----PLIYALRSQEMRRT--PKEIVCCH 313
RESULT 12
US-08-672-109B-10
; Sequence 10, Application US/08672109B
; Patent No. 5710265
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: June 27, 1996
; APPLICATION NUMBER: US/08/672,109B
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Deann F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-672-109B-10
Query Match 4.0%; Score 92.5; DB 1; Length 325;
Best Local Similarity 19.1%; Pred. No. 0.11;
Matches 63; Conservative 66; Mismatches 111; Indels 89; Gaps 17;
QY 131 EPVSLTRKMKMLIDGEVLIEWGVHSIRTLAMHRNAYKRMQIOAFLGSPQL----- 184
Db 41 EVFLTLGLVSL--ENILV--IGAIVKNKLH-----SPMYFYVGLAVADMVSM 87
QY 185 -----TYQLYV----SLISAEPVPLGRVLMVFLSVTVYATLCNNMLAIQI-KYDD--YK 232
Db 88 SNAMETVTIYLLNNKHLVIADTFVRHIDNVFDSMICISVVASMCSLLAIAVDRIITFYA 147
QY 233 IRLGPL-----EVLCTITWRTLETISRLILVLPFA---TLKLKAVPFLVNLFLILPE 283
Db 148 LRYHHIMTARRSGVIACIW-TFCISCGIVFIYVESKYVCIICLSMFTMLFFMVSLYI 206
QY 284 PWIKFWRSG---AQMP--NNIEKNFSRVGTLVLTISVTLVYAGINFCWSALQLRLADR 337
Db 207 HNFLARNHVKRIASPRYSNVRQRTSMKA---ITLML-LGIFVCSPPFLHLI-- 259
QY 338 DLVDKGQNGHMGHLVSVRLVENIMVLVFKFVGKVLNLYCHSLIALQLIITAYLISIDF 397
Db 260 -----LMISCPQNVYSCFMSYFNMYLILMNCNSVID----- 291
QY 398 MLLFQYLHLPLSLFTHNVVDYLHCVCCH 426

Db 292 -----PLIYALRSQEMRRT--PKEIVCCH 313
RESULT 13
US-08-842-045-10
; Sequence 10, Application US/08842045
; Patent No. 5817787
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/842,045
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, Deann F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVE
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-842-045-10
Query Match 4.0%; Score 92.5; DB 2; Length 325;
Best Local Similarity 19.1%; Pred. No. 0.11;
Matches 63; Conservative 66; Mismatches 111; Indels 89; Gaps 17;
QY 131 EPVSLTRKMKMLIDGEVLIEWGVHSIRTLAMHRNAYKRMQIOAFLGSPQL----- 184
Db 41 EVFLTLGLVSL--ENILV--IGAIVKNKLH-----SPMYFYVGLAVADMVSM 87
QY 185 -----TYQLYV----SLISAEPVPLGRVLMVFLSVTVYATLCNNMLAIQI-KYDD--YK 232
Db 88 SNAMETVTIYLLNNKHLVIADTFVRHIDNVFDSMICISVVASMCSLLAIAVDRIITFYA 147
QY 233 IRLGPL-----EVLCTITWRTLETISRLILVLPFA---TLKLKAVPFLVNLFLILPE 283
Db 148 LRYHHIMTARRSGVIACIW-TFCISCGIVFIYVESKYVCIICLSMFTMLFFMVSLYI 206
QY 284 PWIKFWRSG---AQMP--NNIEKNFSRVGTLVLTISVTLVYAGINFCWSALQLRLADR 337
Db 207 HNFLARNHVKRIASPRYSNVRQRTSMKA---ITLML-LGIFVCSPPFLHLI-- 259
QY 338 DLVDKGQNGHMGHLVSVRLVENIMVLVFKFVGKVLNLYCHSLIALQLIITAYLISIDF 397
Db 260 -----LMISCPQNVYSCFMSYFNMYLILMNCNSVID----- 291
QY 398 MLLFQYLHLPLSLFTHNVVDYLHCVCCH 426
Db 292 -----PLIYALRSQEMRRT--PKEIVCCH 313

RESULT 14

US-08-842-238-10
; Sequence 10, Application US/08842238
; Patent No. 5869257
; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/842,238
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, DeAnn F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVD
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-842-238-10

Query Match 4.0%; Score 92.5; DB 2; Length 325;
Best Local Similarity 19.1%; Pred. No. 0.11;
Matches 63; Conservative 66; Mismatches 111; Indels 89; Gaps 17;

QY	131	EPYVSLTRKQMLDGEVLEWVGHSIRTLAMHRNAYKRMISQIQLGSPQL-----	184
DB	41	EVFLTLGLVSL-----ENILV---IGAIVKKNLH-----SPMYFYVGS LAVADMLVSM	87
QY	185	-----TYQLYV-----SLISAEVPLGRVVLVWVFLSVVTVYGTCLNMLAIQI-KYDD--YK	232
DB	88	SNAWETVTIILNNKHLVIADTFVRHIDNVFDSMICISVWVSMCSLLAIAVDRTITFYA	147
QY	233	IRLGPL-----EVLCTITWRTLEITSRLLILVLSA---TLKLKAVPFLVNLFIILFE	283
DB	148	LYRHIMTARRSGVIAIACIWTFCISGIVFIYYESKYVVICLSIMFTMLFFWVSLYI	206
QY	284	PMKFWRSQ-----AQMP--NNIEKNFRSGVTLVVLISVTILYAGINFSWALQRLADR	337
DB	207	HMFLARNHVKRIAASPRYNSVRQRTSMKGA-----ITLTM-LGIFIVCSPFFLHLI--	259
QY	338	DLVDKQNGWGHMGLHYSVRLVENIMVLVFKFGVKVLLNCHSLIALQLLIAYLISIDF	397
DB	260	-----LMISCPQNYCSCFMSYFNMYLILIMCNSVID-----	291
QY	398	MLLFFQYLPLRSIFTHNVVDYLHCVCCH	426
DB	292	-----PLIYALRSQEMRRT--FKEIVCCH	313

RESULT 15

US-08-629-335B-10
; Sequence 10, Application US/08629335B
; Patent No. 6117975

; GENERAL INFORMATION:
; APPLICANT: Yamada, Tadataka
; APPLICANT: Gantz, Ira
; TITLE OF INVENTION: Genes Encoding Melanocortin Receptors
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Harness, Dickey & Pierce, P.L.C.
; STREET: P.O. Box 828
; CITY: Bloomfield Hills
; STATE: MI
; COUNTRY: US
; ZIP: 48303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/629,335B
; FILING DATE: July 23, 1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, DeAnn F.
; REGISTRATION NUMBER: 36683
; REFERENCE/DOCKET NUMBER: 2115-000853DVA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (810)641-1600
; TELEFAX: (810)641-0270
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-629-335B-10

Query Match 4.0%; Score 92.5; DB 3; Length 325;
Best Local Similarity 19.1%; Pred. No. 0.11;
Matches 63; Conservative 66; Mismatches 111; Indels 89; Gaps 17;

QY	131	EPYVSLTRKQMLDGEVLEWVGHSIRTLAMHRNAYKRMISQIQLGSPQL-----	184
DB	41	EVFLTLGLVSL-----ENILV---IGAIVKKNLH-----SPMYFYVGS LAVADMLVSM	87
QY	185	-----TYQLYV-----SLISAEVPLGRVVLVWVFLSVVTVYGTCLNMLAIQI-KYDD--YK	232
DB	88	SNAWETVTIILNNKHLVIADTFVRHIDNVFDSMICISVWVSMCSLLAIAVDRTITFYA	147
QY	233	IRLGPL-----EVLCTITWRTLEITSRLLILVLSA---TLKLKAVPFLVNLFIILFE	283
DB	148	LYRHIMTARRSGVIAIACIWTFCISGIVFIYYESKYVVICLSIMFTMLFFWVSLYI	206
QY	284	PMKFWRSQ-----AQMP--NNIEKNFRSGVTLVVLISVTILYAGINFSWALQRLADR	337
DB	207	HMFLARNHVKRIAASPRYNSVRQRTSMKGA-----ITLTM-LGIFIVCSPFFLHLI--	259
QY	338	DLVDKQNGWGHMGLHYSVRLVENIMVLVFKFGVKVLLNCHSLIALQLLIAYLISIDF	397
DB	260	-----LMISCPQNYCSCFMSYFNMYLILIMCNSVID-----	291
QY	398	MLLFFQYLPLRSIFTHNVVDYLHCVCCH	426
DB	292	-----PLIYALRSQEMRRT--FKEIVCCH	313

Search completed: April 1, 2003, 08:48:06
Job time : 22 secs

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